TITANIUM DIOXIDE R-2629

R-2629 is a multiple purpose silicon, aluminum inorganic & organic surface treated TiO_2 that offers exceptional performance in interior and exterior applications calling for high weathering resistance with outstanding hiding power. It is a fine dry powder with following general properties.

Typical Properties:

Processing Method	Sulfate
Crystal Form	Rutile
Inorganic Surface Treatment	SiO_2, Al_2O_3
Inorganic & Organic Surface Treatment	Yes
ISO 591-1 and DIN 55912 Classification	R-2
Color (ISO 787-25)	Δ E ≤ 0.5
Relative Scattering Power (ISO 787-24)	95% - 105%
Dispersion in Polyester System (GB/T 21868.3)	≤ 27.5 µm

Key Features: ● Excellent weathering resistance ● Easy wetting and excellent dispersibility ● High gloss ● Good Whiteness ● Good tinting ● Good dispersion ● Good tinting strength ● Good hiding power ●Widely used in water-based coatings

Typical Data:

TiO2 Content (ISO 591-1)	93.5%
CIE L*, dry powder (GB/T 5950-2008)	95
Reducing Power (TCS)	2050
pH Value (ISO 787-9)	6.5 – 8.0
Oil Absorption (ISO 787-5)	19g / 100g
Residue on 45 µm (ISO 787-18)	≤ 0.02%
Resistivity (ISO 787-14)	150 Ω-m
Volatiles at 105 (ISO 787-2) at packaging	0.4 %
Brightness %	97.5 %
Tinting Strength	≥ 115
Oil dispersion (Hegman)	≥ 6.0

Subject to measurements in CoA

Application: Universal coating (good for waterborne coating), powder coating, coil coating, metal coating (PVC), water-based ink and paper.

Packing: 25 kg paper bags.

Health and Safety Precautions: Relevant local health and safety precautions should be followed. Gloves, safety goggles and respirator with submicron particle filtration should be worn. MSDS is available upon request.

Storage: Store the product indoors in clean and dry conditions. The shelf live is two years if stored properly. First-in, first-out regime is highly recommended to ensure the performance of the product.

Disclaimer: *The above information is offered free solely to provide possible suggestions. Given variations in actual end-use conditions, no warranties are given and no liabilities are assumed in connection with any use of this information.*

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